

**LAW OFFICE OF
HENRY T. BRENDZEL**

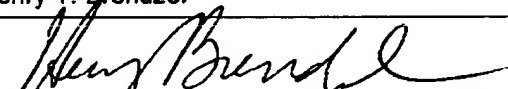
Date: September 29, 2000	
To: Examiner: A. Park	From: Henry T. Brendzel, Esq
Fax: (703) 308-9051	Fax: (973) 467-6589
Phone:	Phone: (973) 467-2025
Re: Serial No:	Pages: Cover + 5

Henry Brendzel

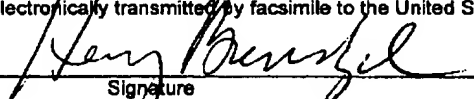
TRANSMITTAL FORM (to be used for all correspondence after initial filing)		Complete if Known	
		Application Number	09/300494
		Filing Date	4/28/99
		First Named Inventor	Arthur Robert Calderbank
		Examiner Name	A. Park
		Group/Art Unit	2734
Total number of pages in this Submission	4	Attorney Docket ID	Calderbank 19-6-42

ENCLOSURES (check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Check <input checked="" type="checkbox"/> Amendment/Response <input type="checkbox"/> After Final <input type="checkbox"/> Affidavit(s)/Declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority document(s) <input type="checkbox"/> Response to Missing Parts/ Incomplete Application <input type="checkbox"/> Response to Missing Parts under 37 CFR 1.2 or 1.53 <input type="checkbox"/> Declaration (no Missing Parts Notice)	<input type="checkbox"/> Assignment Papers (for an Application) <input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition Routing Slip (TO/SB/69) and Accompanying Petition <input type="checkbox"/> To Convert a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation or Change of Correspondence Address <input type="checkbox"/> Express Abandonment <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> To Convert to Statutory Invention Registration	<input type="checkbox"/> Postcard(s) <input type="checkbox"/> Small Entity Statement <input type="checkbox"/> Request for a Refund <input type="checkbox"/> After Allowance Communication to group <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communications to Group (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other

Official

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual Name	Henry T. Brendzel	
Signature		Date 9/29/00

CERTIFICATE OF MAILING		
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelop addressed to the Assistant Commissioner for Patents, Washington D.C. 20231 on this date: 		
Name of Person Signing	Signature	Date

CERTIFICATE OF FACSIMILE		
I hereby certify that this correspondence is being electronically transmitted by facsimile to the United States Patent Office:		
Henry Brendzel		9/27/00
Name of Person Signing	Signature	Date

Calderbank 19-6-42

4/A
m F
10-1-00

IN THE UNITED STATES
PATENT AND TRADEMARK OFFICE

Patent Application

Inventor(s)	Arthur Robert Calderbank Ayman Naguib Nambirajan Seshadri	Case Name	Calderbank 19-6-42
Filing Date	4/28/99	Serial No.	09/300494
Examiner	A. Park	Group Art Unit	2734
Title	Combined Channel Coding and Space-Time Block Coding in a Multi-Antenna Arrangement		

ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231
SIR:



Official

AMENDMENT

In response to an Office action dated July 19, 2000, please amend the above-identified application as follows:

IN THE CLAIMS:

Delete claims 1 and 2.

3. A transmitter comprising:

a demultiplexer responsive to an applied input signal for developing a plurality of at least two signal streams, and

a like plurality of channel coding/space-time coding transmitters, each responsive to a different signal stream of said plurality of signal streams.

4. The transmitter of claim 3 where each of said channel coding/space-time coding transmitters comprises:

a channel coder of rate R_i ,

a space-time encoder responsive to output signal of said channel code encoder,

a modulator responsive to said space time-encoder,

pulse shaping circuitry responsive to said modulator, and